

What Is Claimed Is:

1. A method of forming a co-polyester blended film comprising the steps of;

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- a. providing a co-polyester thermoplastic,
 - b. providing an ethyl methyl acrylate,
 - c. incorporate by thorough admixing compatibilizers into the co-polyester thermoplastic to form a co-polyester compound having no more than about 1.0%, by weight, of any antioxidant compound, and
 - d. extruding the co-polyester compound into a film at a
- 10 temperature at least 10% higher than the melt temperature of the co-polymer thermoplastic.

2. A method of forming a co-polyester blended film comprising the steps of;

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- a. providing a co-polyester thermoplastic,
 - b. providing an ethyl methyl acrylate,
 - c. incorporating by thorough admixing a compatibilizer into the co-polyester thermoplastic to form a co-polyester compound having no more than about 1.0%, by weight, of any antioxidant compound,
 - d. extruding the co-polyester compound into a film at a
- 20 temperature of at least 10% higher than the melt temperature of the co-polyester thermoplastic, and

e. depositing the co-polyester compound film onto a base material to form a liquid-barrier composite material.

25 3. The method of forming a co-polyester blended film as in claim 2, wherein said film has durable adhesion to said base material.

4. The method of forming a co-polyester blended film as in claim 2, wherein said liquid-barrier composite material is used in hygiene applications.

30 5. A film comprising a co-polyester blended thermoplastic admixed with compatibilizers and extruded at a temperature at least 10% higher than the melt temperature of the co-polyester, wherein said extruded thermoplastic has no more than about 1.0%, by weight, of any antioxidant compound.

7. A liquid-barrier composite material comprising said film
5 exhibiting durable adhesion to said base material, wherein said material is used
as a backsheet in a hygiene article.

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